

PR CARIBBEAN SCIENCE CONSORTIUM/ NON-PRASA
SYSTEMS WORKGROUP
JOINT WORKSHOP



PUERTO RICO NON-PRASA SYSTEMS OVERVIEW



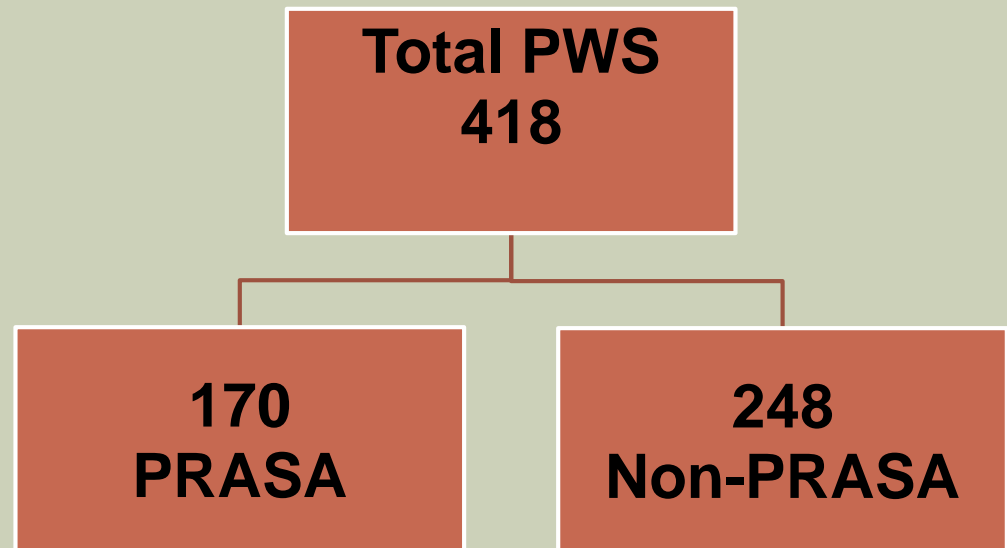
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PUERTO RICO
Departamento de Salud

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PR DOH DRINKING WATER DIVISION



PUERTO RICO PUBLIC WATER SYSTEMS DISTRIBUTION

Public Water Systems
(PWS) must have at
least 15 service
connections or serve at
least 25 people per day
60 days of the year



WHO ARE NON-PRASA SYSTEMS?

Community systems with the following characteristics:

- Systems not served by the Puerto Rico Aqueduct and Sewer Authority (PRASA)
- Mainly rural and mountainous area
- Difficult access to PRASA service
- Generally low income population
- Most community systems operated for 30-50 years
- High sense of community “ownership”
- Some have schools that are served from those systems



GROUND WATER SYSTEM



System: Cuyón - Aibonito



System: Carrasquillo - Cidra

SURFACE WATER SYSTEM



System: Acueducto Rural Sector El Veinte - Yabucoa

HISTORICAL OVERVIEW

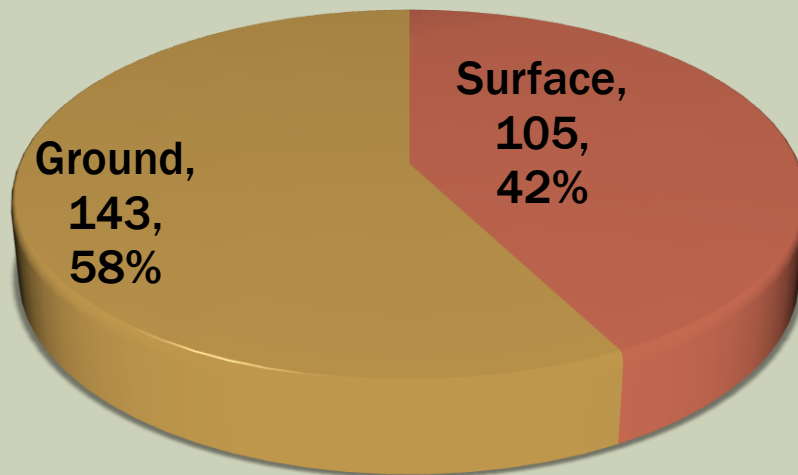
- 1974-80 - First systems inventories performed, identified 629 systems
- 1996 – First Non-PRASA Strategy prepared (rev. Sept.2014)
 - Object to guide the systems into compliance
 - Connect community systems to PRASA
 - Connect schools to PRASA
- Improvement projects
 - Collaboration with:
 - State Agencies
 - Federal Government
 - Universities
 - Non-Profit Organizations
 - Purpose of Projects:
 - Make systems supply potable water to their users
 - Improve public health
 - Thus meet the ministerial purpose of the PR DOH

REPRESENTATIVES PROJECTS

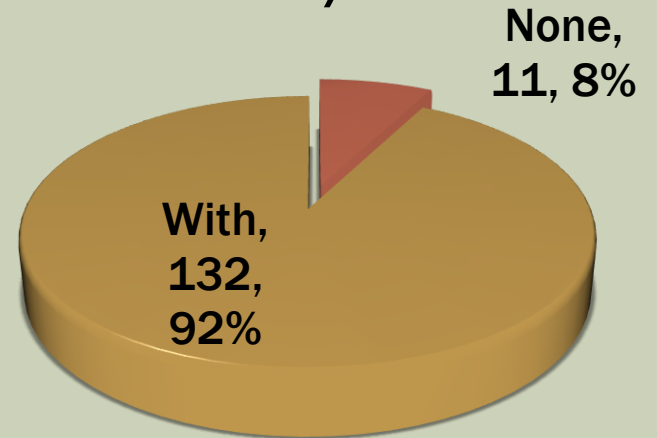
- Circuit Riders Project
- CPE adapted to small communities.
 - Technical Assistance for the communities to develop technical, administrative and financial operation capacity.
- System Operators Capacitation
- Installation of Chlorinators
- Technical Inventory of Non-PRASA systems
- Chemical contaminants sampling in Non-PRASA systems
- Disinfection equipment
- Sanitary Surveys to all Non-PRASA systems
- Projects to determine Vulnerability and Criticality in Non-PRASA systems and to help the systems to prepare an Emergency Response Plan

CURRENT NON-PRASA SITUATION 2014

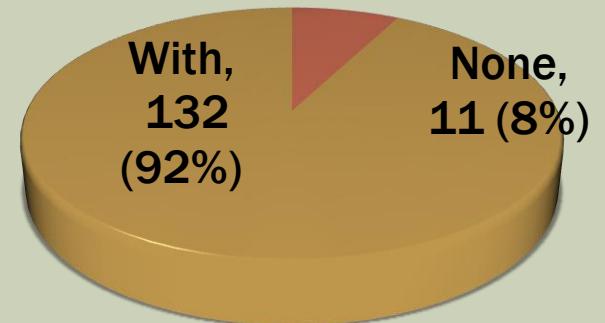
**Non-PRASA System
Water Source**



Surface Water / Disinfection



Ground Water/Disinfection



QUESTIONS & ANSWERS